

Appendix B.20

NR Band n2



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN_Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南面 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com



Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
N2	15	5	DFT-QPSK	L	Inner_1RB_Left	21.7	22.04	33.00	PASS
N2	15	5	DFT-16QAM	L	Inner_1RB_Left	20.79	21.13	33.00	PASS
N2	15	5	DFT-QPSK	M	Inner_1RB_Left	21.59	21.93	33.00	PASS
N2	15	5	DFT-16QAM	M	Inner_1RB_Left	20.81	21.15	33.00	PASS
N2	15	5	DFT-QPSK	H	Inner_1RB_Left	21.57	21.91	33.00	PASS
N2	15	5	DFT-16QAM	H	Inner_1RB_Left	20.8	21.14	33.00	PASS
N2	15	10	DFT-QPSK	L	Inner_1RB_Left	21.57	21.91	33.00	PASS
N2	15	10	DFT-16QAM	L	Inner_1RB_Left	20.79	21.13	33.00	PASS
N2	15	10	DFT-QPSK	M	Inner_1RB_Left	21.51	21.85	33.00	PASS
N2	15	10	DFT-16QAM	M	Inner_1RB_Left	20.77	21.11	33.00	PASS
N2	15	10	DFT-QPSK	H	Inner_1RB_Left	21.63	21.97	33.00	PASS
N2	15	10	DFT-16QAM	H	Inner_1RB_Left	20.84	21.18	33.00	PASS
N2	15	15	DFT-QPSK	L	Inner_1RB_Left	21.57	21.91	33.00	PASS
N2	15	15	DFT-16QAM	L	Inner_1RB_Left	20.77	21.11	33.00	PASS
N2	15	15	DFT-QPSK	M	Inner_1RB_Left	21.53	21.87	33.00	PASS
N2	15	15	DFT-16QAM	M	Inner_1RB_Left	20.7	21.04	33.00	PASS
N2	15	15	DFT-QPSK	H	Inner_1RB_Left	21.65	21.99	33.00	PASS
N2	15	15	DFT-16QAM	H	Inner_1RB_Left	20.83	21.17	33.00	PASS
N2	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	21.7	22.04	33.00	PASS
N2	15	20	DFT-PI2BPSK	L	Inner_1RB_Right	21.62	21.96	33.00	PASS
N2	15	20	DFT-PI2BPSK	L	Outer_Full	21.19	21.53	33.00	PASS
N2	15	20	DFT-QPSK	L	Inner_1RB_Left	21.74	22.08	33.00	PASS
N2	15	20	DFT-QPSK	L	Inner_1RB_Right	21.63	21.97	33.00	PASS
N2	15	20	DFT-QPSK	L	Outer_Full	20.71	21.05	33.00	PASS
N2	15	20	DFT-16QAM	L	Inner_1RB_Left	20.88	21.22	33.00	PASS
N2	15	20	DFT-16QAM	L	Inner_1RB_Right	20.74	21.08	33.00	PASS
N2	15	20	DFT-16QAM	L	Outer_Full	19.7	20.04	33.00	PASS
N2	15	20	DFT-64QAM	L	Inner_1RB_Left	19.38	19.72	33.00	PASS
N2	15	20	DFT-64QAM	L	Inner_1RB_Right	19.28	19.62	33.00	PASS
N2	15	20	DFT-64QAM	L	Outer_Full	19.18	19.52	33.00	PASS
N2	15	20	DFT-256QAM	L	Inner_1RB_Left	17.29	17.63	33.00	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
 t (86-512) 62992980 sgs.china@sgs.com



N2	15	20	DFT-256QAM	L	Inner_1RB_Right	17.22	17.56	33.00	PASS
N2	15	20	DFT-256QAM	L	Outer_Full	17.27	17.61	33.00	PASS
N2	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	21.58	21.92	33.00	PASS
N2	15	20	DFT-PI2BPSK	M	Inner_1RB_Right	21.81	22.15	33.00	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	21.18	21.52	33.00	PASS
N2	15	20	DFT-QPSK	M	Inner_1RB_Left	21.59	21.93	33.00	PASS
N2	15	20	DFT-QPSK	M	Inner_1RB_Right	21.83	22.17	33.00	PASS
N2	15	20	DFT-QPSK	M	Outer_Full	20.71	21.05	33.00	PASS
N2	15	20	DFT-16QAM	M	Inner_1RB_Left	20.71	21.05	33.00	PASS
N2	15	20	DFT-16QAM	M	Inner_1RB_Right	20.94	21.28	33.00	PASS
N2	15	20	DFT-16QAM	M	Outer_Full	19.68	20.02	33.00	PASS
N2	15	20	DFT-64QAM	M	Inner_1RB_Left	19.25	19.59	33.00	PASS
N2	15	20	DFT-64QAM	M	Inner_1RB_Right	19.46	19.8	33.00	PASS
N2	15	20	DFT-64QAM	M	Outer_Full	19.21	19.55	33.00	PASS
N2	15	20	DFT-256QAM	M	Inner_1RB_Left	17.21	17.55	33.00	PASS
N2	15	20	DFT-256QAM	M	Inner_1RB_Right	17.44	17.78	33.00	PASS
N2	15	20	DFT-256QAM	M	Outer_Full	17.34	17.68	33.00	PASS
N2	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	21.74	22.08	33.00	PASS
N2	15	20	DFT-PI2BPSK	H	Inner_1RB_Right	21.7	22.04	33.00	PASS
N2	15	20	DFT-PI2BPSK	H	Outer_Full	21.26	21.6	33.00	PASS
N2	15	20	DFT-QPSK	H	Inner_1RB_Left	21.78	22.12	33.00	PASS
N2	15	20	DFT-QPSK	H	Inner_1RB_Right	21.72	22.06	33.00	PASS
N2	15	20	DFT-QPSK	H	Outer_Full	20.79	21.13	33.00	PASS
N2	15	20	DFT-16QAM	H	Inner_1RB_Left	20.85	21.19	33.00	PASS
N2	15	20	DFT-16QAM	H	Inner_1RB_Right	20.87	21.21	33.00	PASS
N2	15	20	DFT-16QAM	H	Outer_Full	19.77	20.11	33.00	PASS
N2	15	20	DFT-64QAM	H	Inner_1RB_Left	19.39	19.73	33.00	PASS
N2	15	20	DFT-64QAM	H	Inner_1RB_Right	19.38	19.72	33.00	PASS
N2	15	20	DFT-64QAM	H	Outer_Full	19.25	19.59	33.00	PASS
N2	15	20	DFT-256QAM	H	Inner_1RB_Left	17.41	17.75	33.00	PASS
N2	15	20	DFT-256QAM	H	Inner_1RB_Right	17.36	17.7	33.00	PASS
N2	15	20	DFT-256QAM	H	Outer_Full	17.4	17.74	33.00	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

Peak-to-Average Ratio for SA

Peak-to-Average Ratio(CCDF)

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N2	15	20	DFT-256QAM	L	Outer_Full	6.78	PASS
N2	15	20	CP-256QAM	L	Outer_Full	8.72	PASS
N2	15	20	DFT-256QAM	M	Outer_Full	6.76	PASS
N2	15	20	CP-256QAM	M	Outer_Full	8.66	PASS
N2	15	20	DFT-256QAM	H	Outer_Full	6.66	PASS
N2	15	20	CP-256QAM	H	Outer_Full	8.66	PASS



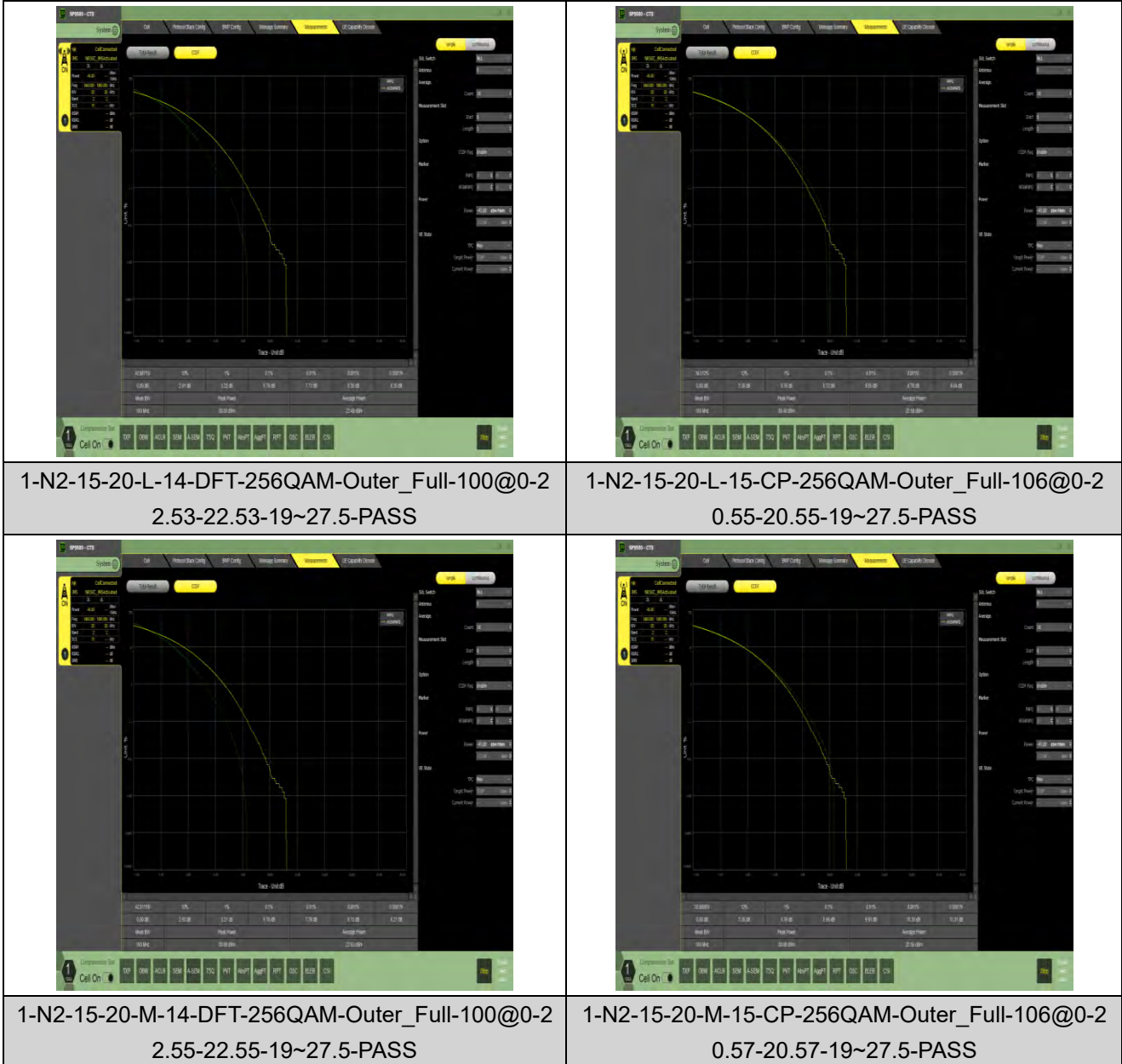
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN_Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgsgroup.com.cn
 sgs.china@sgs.com

Test Graphs



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN_Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



1-N2-15-20-H-14-DFT-256QAM-Outer_Full-100@0-2
2.55-22.55-19~27.5-PASS



1-N2-15-20-H-15-CP-256QAM-Outer_Full-106@0-2
0.55-20.55-19~27.5-PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN_Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N2	15	5	DFT-QPSK	M	Outer_Full	4.518	4.960	PASS
N2	15	5	DFT-PI2BPSK	M	Outer_Full	4.506	4.950	PASS
N2	15	5	DFT-16QAM	M	Outer_Full	4.501	4.920	PASS
N2	15	5	DFT-64QAM	M	Outer_Full	4.52	4.940	PASS
N2	15	5	DFT-256QAM	M	Outer_Full	4.504	4.960	PASS
N2	15	5	CP-QPSK	M	Outer_Full	4.498	4.980	PASS
N2	15	5	CP-16QAM	M	Outer_Full	4.5	4.940	PASS
N2	15	5	CP-64QAM	M	Outer_Full	4.512	5.360	PASS
N2	15	5	CP-256QAM	M	Outer_Full	4.49	4.970	PASS
N2	15	10	DFT-QPSK	M	Outer_Full	8.911	9.380	PASS
N2	15	10	DFT-PI2BPSK	M	Outer_Full	8.958	9.460	PASS
N2	15	10	DFT-16QAM	M	Outer_Full	8.911	9.380	PASS
N2	15	10	DFT-64QAM	M	Outer_Full	8.933	9.440	PASS
N2	15	10	DFT-256QAM	M	Outer_Full	8.917	9.420	PASS
N2	15	10	CP-QPSK	M	Outer_Full	9.286	9.820	PASS
N2	15	10	CP-16QAM	M	Outer_Full	9.299	9.880	PASS
N2	15	10	CP-64QAM	M	Outer_Full	9.295	9.820	PASS
N2	15	10	CP-256QAM	M	Outer_Full	9.268	9.780	PASS
N2	15	15	DFT-QPSK	M	Outer_Full	13.45	14.310	PASS
N2	15	15	DFT-PI2BPSK	M	Outer_Full	13.459	14.310	PASS
N2	15	15	DFT-16QAM	M	Outer_Full	13.44	14.370	PASS
N2	15	15	DFT-64QAM	M	Outer_Full	13.471	14.340	PASS
N2	15	15	DFT-256QAM	M	Outer_Full	13.449	14.280	PASS
N2	15	15	CP-QPSK	M	Outer_Full	14.149	15.060	PASS
N2	15	15	CP-16QAM	M	Outer_Full	14.188	15.090	PASS
N2	15	15	CP-64QAM	M	Outer_Full	14.164	15.060	PASS
N2	15	15	CP-256QAM	M	Outer_Full	14.143	15.030	PASS
N2	15	20	DFT-QPSK	M	Outer_Full	17.865	18.920	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	17.917	18.920	PASS
N2	15	20	DFT-16QAM	M	Outer_Full	17.862	18.840	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN_Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
 t (86-512) 62992980 sgs.china@sgs.com



Report No.: SUCR240200003403

Rev.: 01

Page: 8 of 38

N2	15	20	DFT-64QAM	M	Outer_Full	17.9	18.880	PASS
N2	15	20	DFT-256QAM	M	Outer_Full	17.849	18.840	PASS
N2	15	20	CP-QPSK	M	Outer_Full	18.957	19.960	PASS
N2	15	20	CP-16QAM	M	Outer_Full	18.922	20.000	PASS
N2	15	20	CP-64QAM	M	Outer_Full	18.966	19.920	PASS
N2	15	20	CP-256QAM	M	Outer_Full	18.907	19.960	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

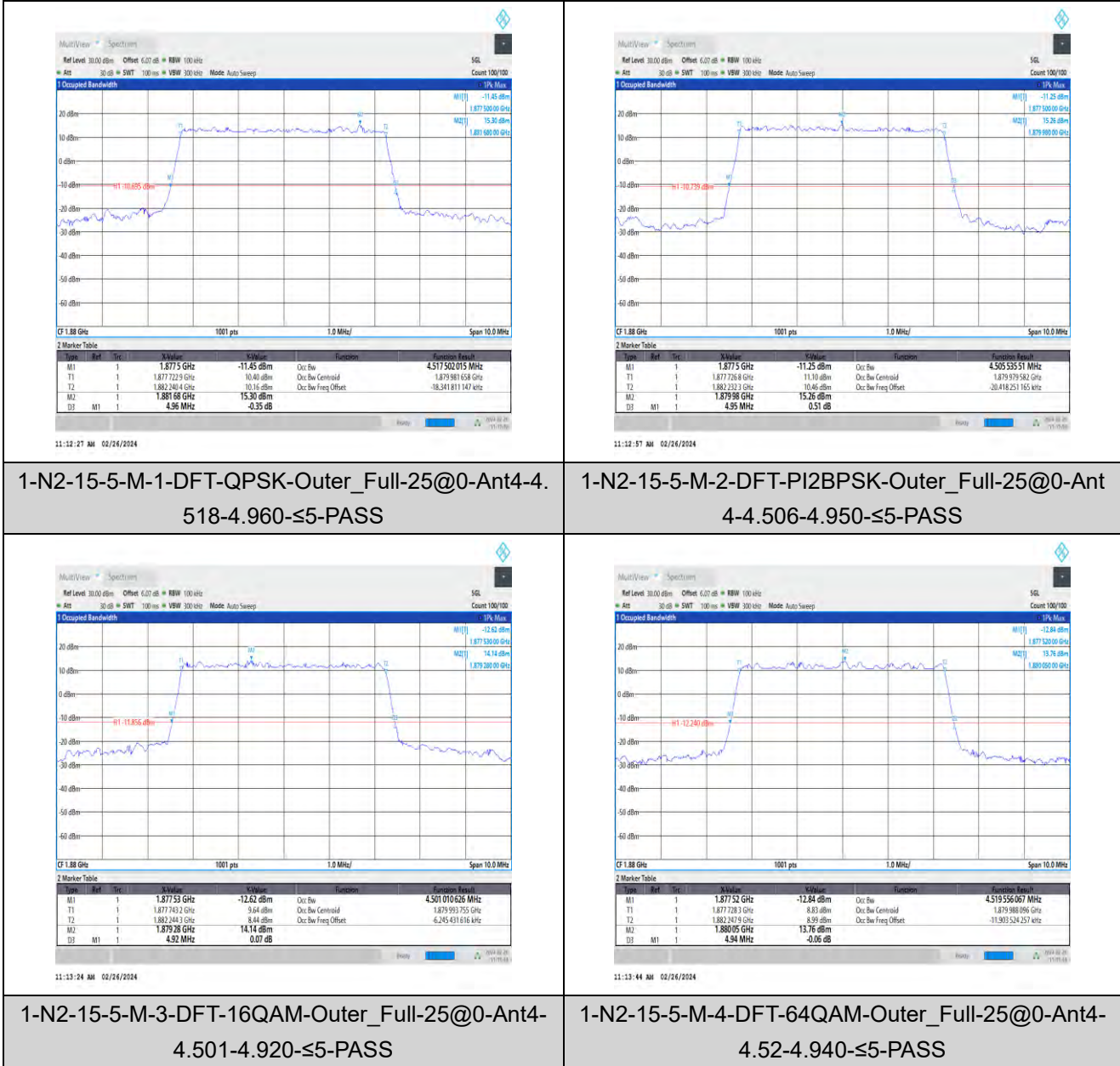
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Test Graphs



1-N2-15-5-M-1-DFT-QPSK-Outer_Full-25@0-Ant4-4.
518-4.960-≤5-PASS

1-N2-15-5-M-2-DFT-PI2BPSK-Outer_Full-25@0-Ant
4-4.506-4.950-≤5-PASS

1-N2-15-5-M-3-DFT-16QAM-Outer_Full-25@0-Ant4-
4.501-4.920-≤5-PASS

1-N2-15-5-M-4-DFT-64QAM-Outer_Full-25@0-Ant4-
4.52-4.940-≤5-PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)



1-N2-15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant4
-4.504-4.960-≤5-PASS

1-N2-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant4-4.
498-4.980-≤5-PASS



1-N2-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant4-4.
5-4.940-≤5-PASS

1-N2-15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant4-4.
.512-5.360-≤5-PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



1-N2-15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant4-4.49-4.970-≤ 5-PASS

1-N2-15-10-M-1-DFT-QPSK-Outer_Full-50@0-Ant4-8.911-9.380-≤ 10-PASS



1-N2-15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant4-8.958-9.460-≤ 10-PASS

1-N2-15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant4-8.911-9.380-≤ 10-PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN_Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



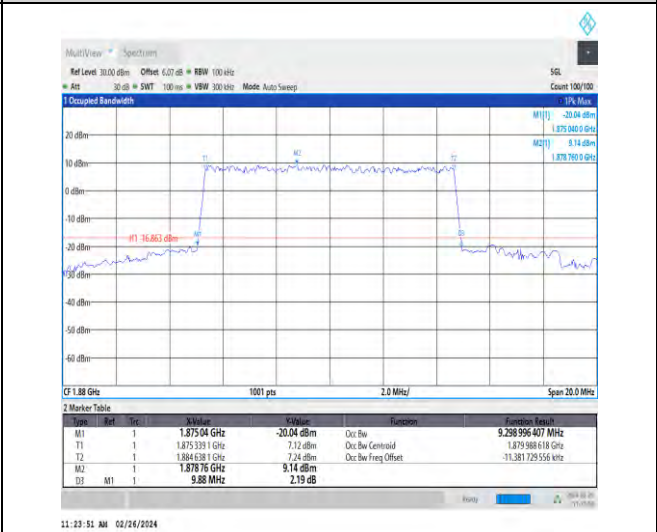
1-N2-15-10-M-4-DFT-64QAM-Outer_Full-50@0-Ant4
-8.933-9.440≤10-PASS



1-N2-15-10-M-5-DFT-256QAM-Outer_Full-50@0-Ant4
4-8.917-9.420≤10-PASS



1-N2-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant4-9.
286-9.820≤10-PASS



1-N2-15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant4-9.
9.299-9.880≤10-PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



1-N2-15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant4-9.295-9.820-≤10-PASS

1-N2-15-10-M-9-CP-256QAM-Outer_Full-52@0-Ant4-9.268-9.780-≤10-PASS



1-N2-15-15-M-1-DFT-QPSK-Outer_Full-75@0-Ant4-13.45-14.310-≤15-PASS

1-N2-15-15-M-2-DFT-PI2BPSK-Outer_Full-75@0-Ant4-13.459-14.310-≤15-PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN_Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



1-N2-15-15-M-3-DFT-16QAM-Outer_Full-75@0-Ant4
-13.44-14.370-≤15-PASS



1-N2-15-15-M-4-DFT-64QAM-Outer_Full-75@0-Ant4
-13.471-14.340-≤15-PASS



1-N2-15-15-M-5-DFT-256QAM-Outer_Full-75@0-Ant
4-13.449-14.280-≤15-PASS



1-N2-15-15-M-6-CP-QPSK-Outer_Full-79@0-Ant4-1
4.149-15.060-≤15-PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN_Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)



1-N2-15-15-M-7-CP-16QAM-Outer_Full-79@0-Ant4-14.188-15.090-≤15-PASS

1-N2-15-15-M-8-CP-64QAM-Outer_Full-79@0-Ant4-14.164-15.060-≤15-PASS



1-N2-15-15-M-9-CP-256QAM-Outer_Full-79@0-Ant4-14.143-15.030-≤15-PASS

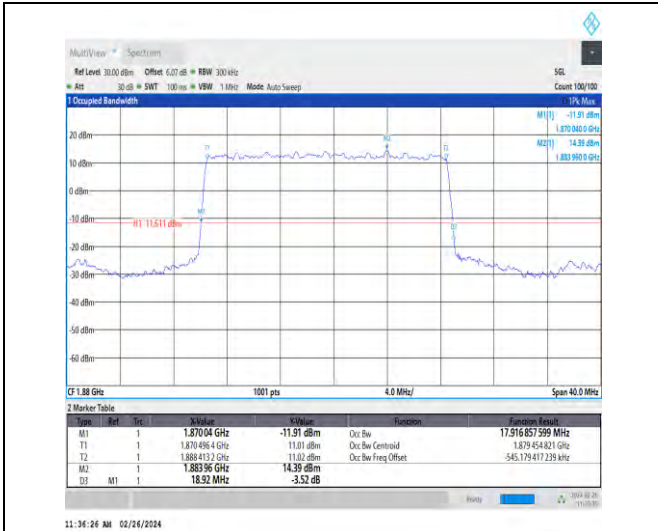
1-N2-15-20-M-1-DFT-QPSK-Outer_Full-100@0-Ant4-17.865-18.920-≤20-PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



1-N2-15-20-M-2-DFT-PI2BPSK-Outer_Full-100@0-A
nt4-17.917-18.920-≤20-PASS



1-N2-15-20-M-3-DFT-16QAM-Outer_Full-100@0-Ant
4-17.862-18.840-≤20-PASS



1-N2-15-20-M-4-DFT-64QAM-Outer_Full-100@0-Ant
4-17.9-18.880-≤20-PASS



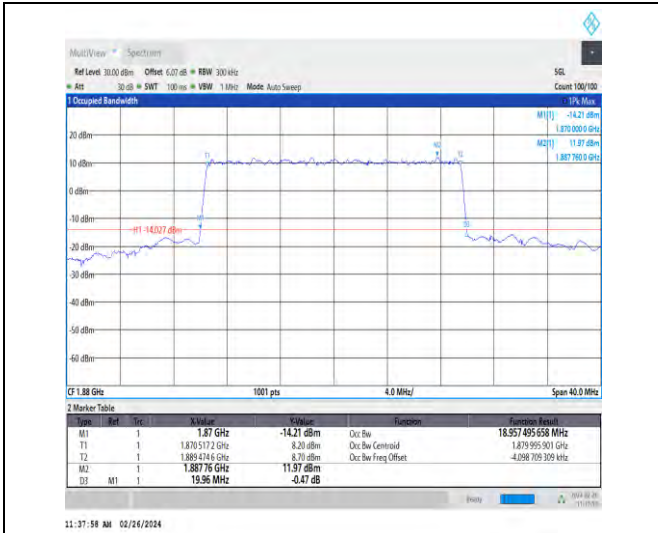
1-N2-15-20-M-5-DFT-256QAM-Outer_Full-100@0-A
nt4-17.849-18.840-≤20-PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

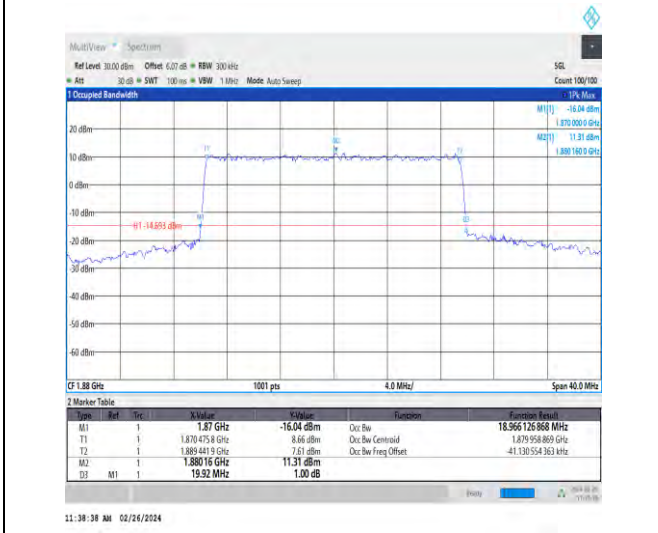
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN_Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



1-N2-15-20-M-6-CP-QPSK-Outer_Full-106@0-Ant4-18.957-19.960-≤20-PASS

1-N2-15-20-M-7-CP-16QAM-Outer_Full-106@0-Ant4-18.922-20.000-≤20-PASS



1-N2-15-20-M-8-CP-64QAM-Outer_Full-106@0-Ant4-18.966-19.920-≤20-PASS

1-N2-15-20-M-9-CP-256QAM-Outer_Full-106@0-Ant4-18.907-19.960-≤20-PASS



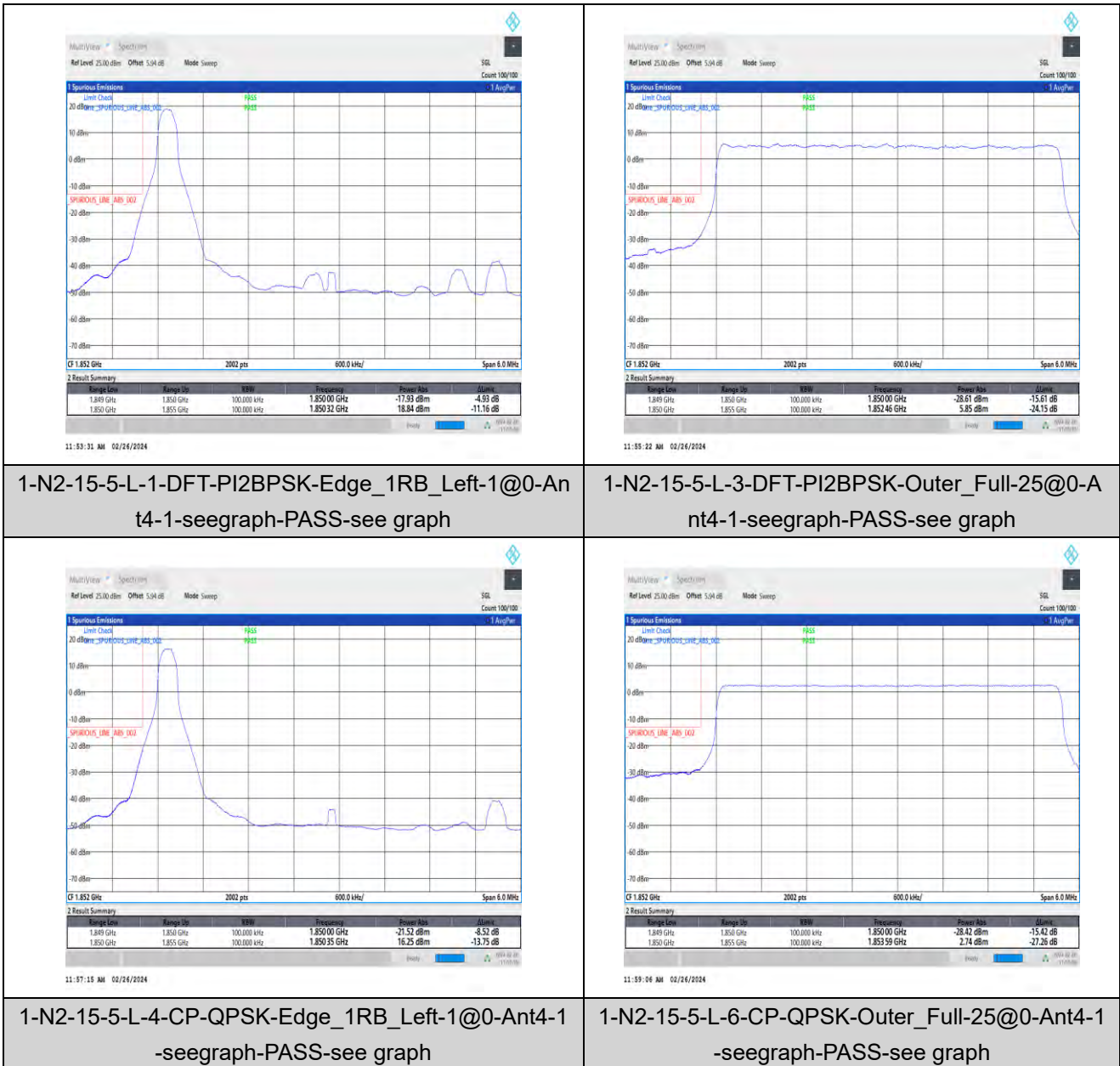
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN_Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

Band Edge for SA

Test Graphs



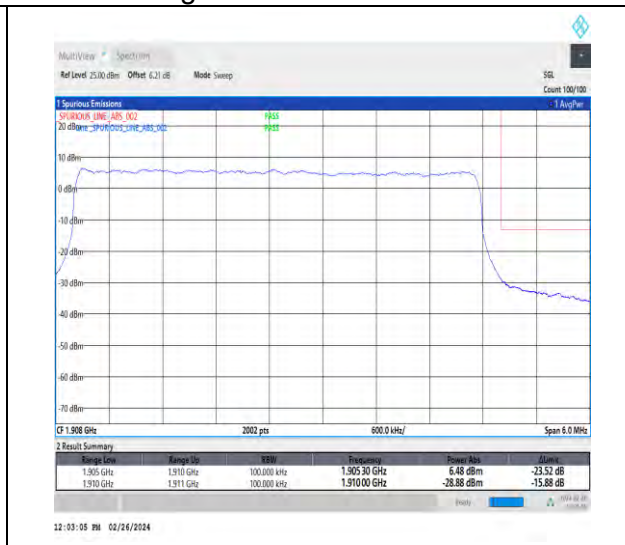
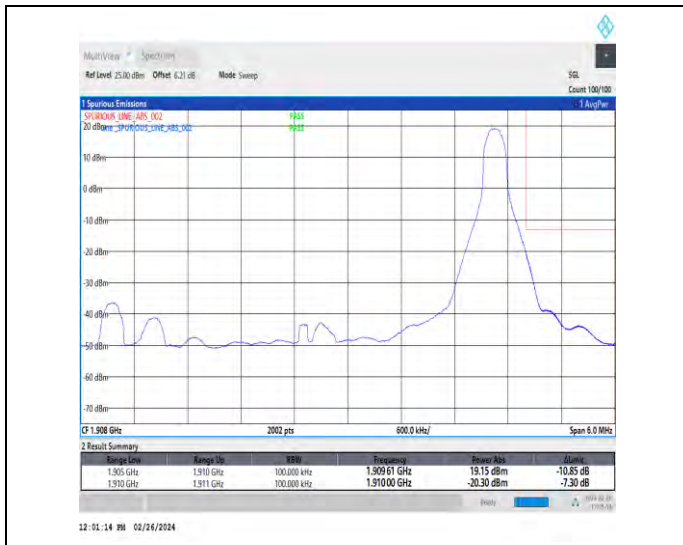
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

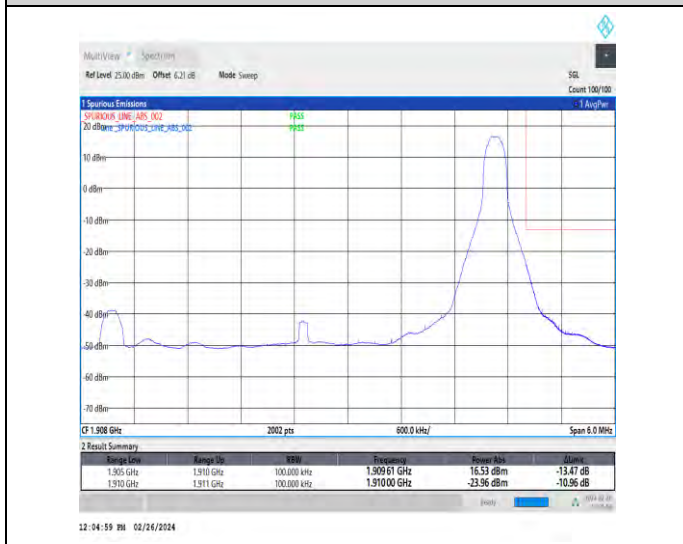
t (86-512) 62992980 www.sgs.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)



1-N2-15-5-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@24-Ant4-1-see graph-PASS-see graph

1-N2-15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-Ant4-1-see graph-PASS-see graph



1-N2-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant4-1-see graph-PASS-see graph



1-N2-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant4-1-see graph-PASS-see graph



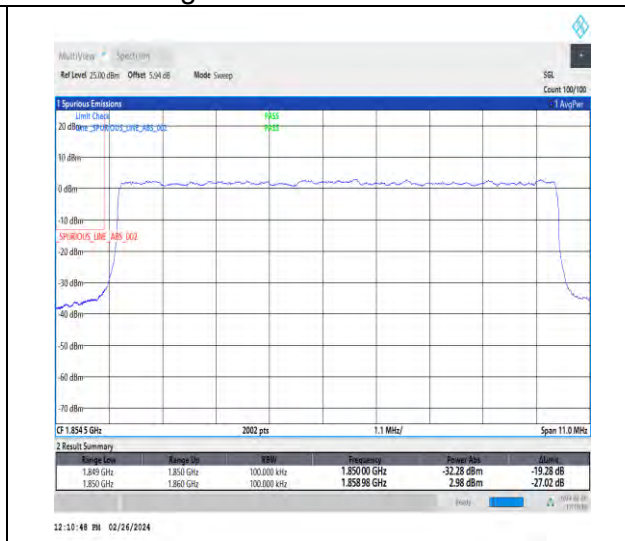
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgsgroup.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



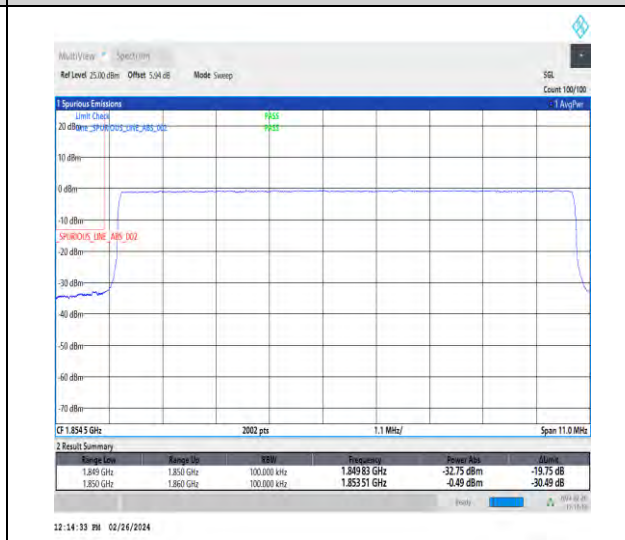
1-N2-15-10-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant4-1-seegraph-PASS-see graph



1-N2-15-10-L-3-DFT-PI2BPSK-Outer_Full-50@0-Ant4-1-seegraph-PASS-see graph



1-N2-15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant4-1-seegraph-PASS-see graph



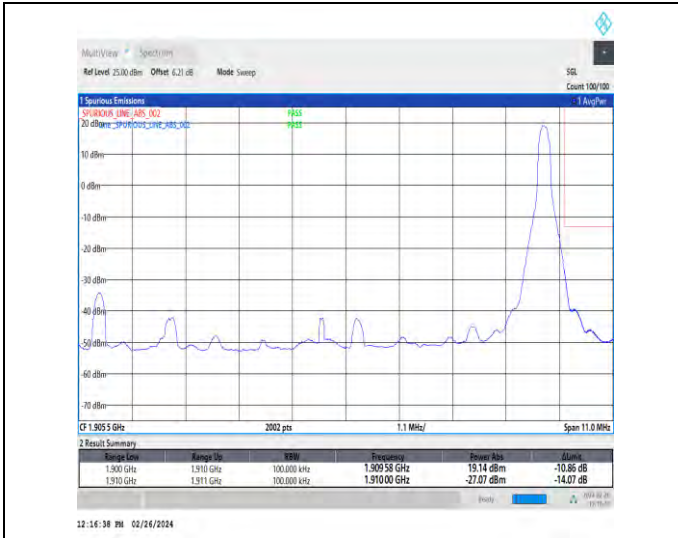
1-N2-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant4-1-seegraph-PASS-see graph



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

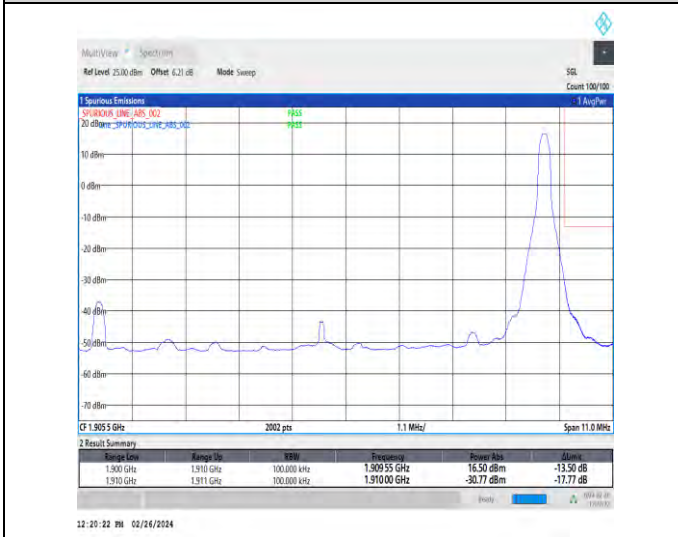
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgsgroup.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



1-N2-15-10-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@5
1-Ant4-1-seegraph-PASS-see graph

1-N2-15-10-H-3-DFT-PI2BPSK-Outer_Full-50@0-
Ant4-1-seegraph-PASS-see graph



1-N2-15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-An
t4-1-seegraph-PASS-see graph

1-N2-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant4
-1-seegraph-PASS-see graph



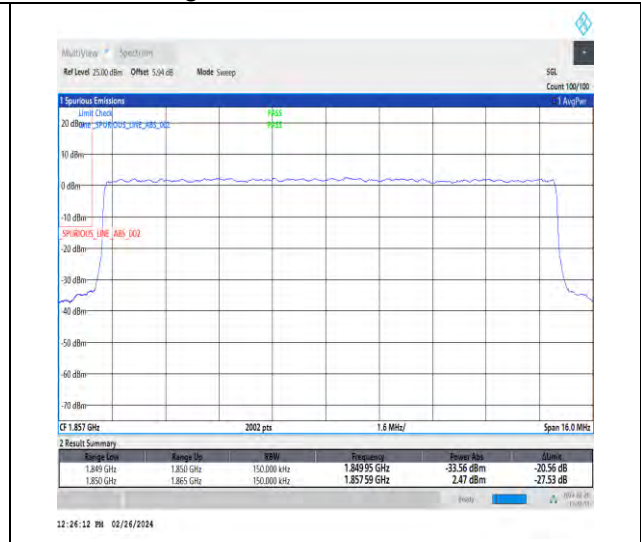
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

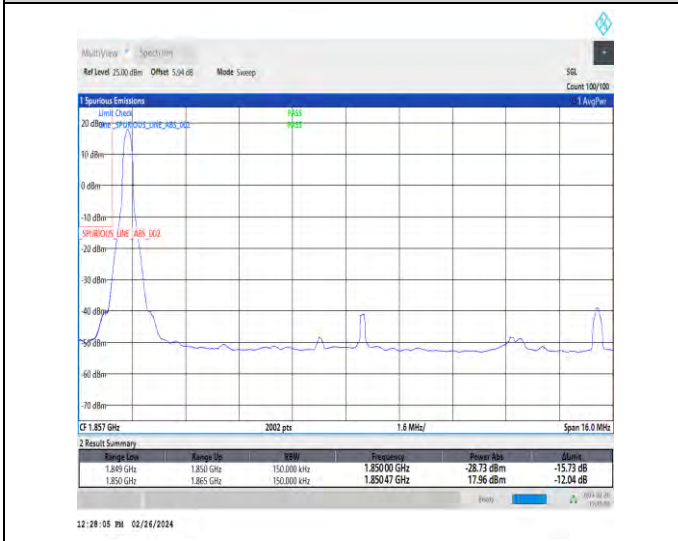
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgsgroup.com.cn
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



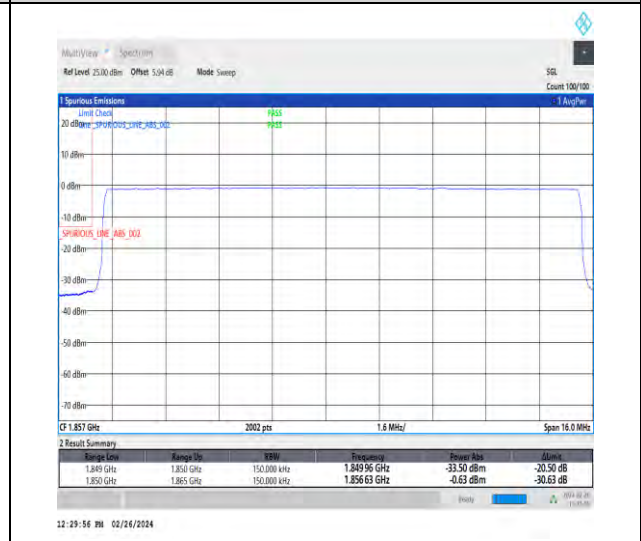
1-N2-15-15-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant4-1-seegraph-PASS-see graph



1-N2-15-15-L-3-DFT-PI2BPSK-Outer_Full-75@0-Ant4-1-seegraph-PASS-see graph



1-N2-15-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant4-1-seegraph-PASS-see graph



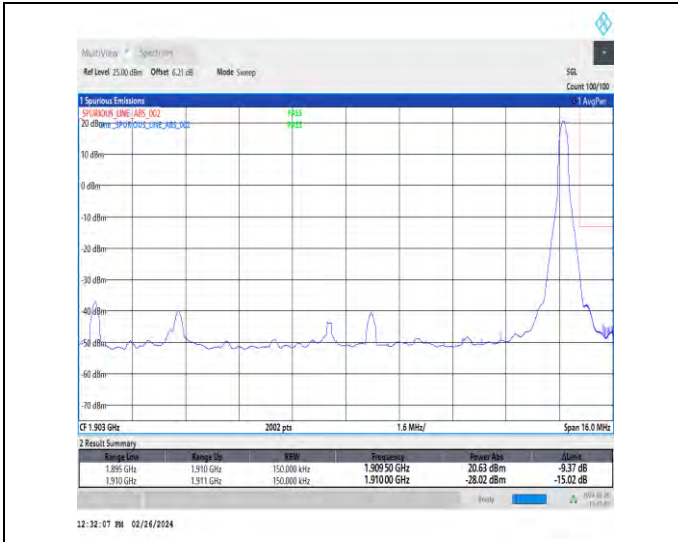
1-N2-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant4-1-seegraph-PASS-see graph



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

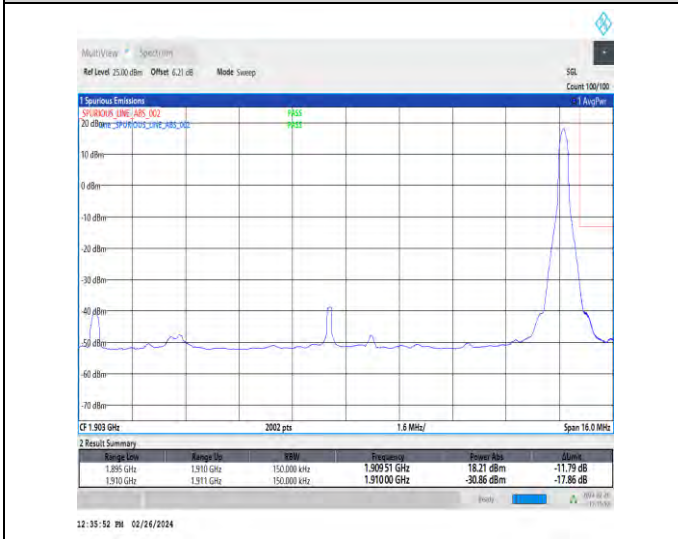
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgsgroup.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



1-N2-15-15-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@78-Ant4-1-seegraph-PASS-see graph

1-N2-15-15-H-3-DFT-PI2BPSK-Outer_Full-75@0-Ant4-1-seegraph-PASS-see graph



1-N2-15-15-H-5-CP-QPSK-Edge_1RB_Right-1@78-Ant4-1-seegraph-PASS-see graph

1-N2-15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant4-1-seegraph-PASS-see graph



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgsgroup.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



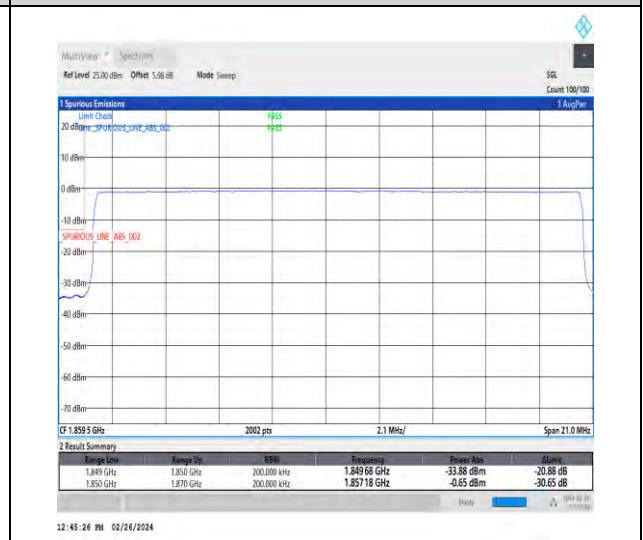
1-N2-15-20-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-A
nt4-1-seegraph-PASS-see graph



1-N2-15-20-L-3-DFT-PI2BPSK-Outer_Full-100@0-A
Ant4-1-seegraph-PASS-see graph



1-N2-15-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant4-
1-seegraph-PASS-see graph



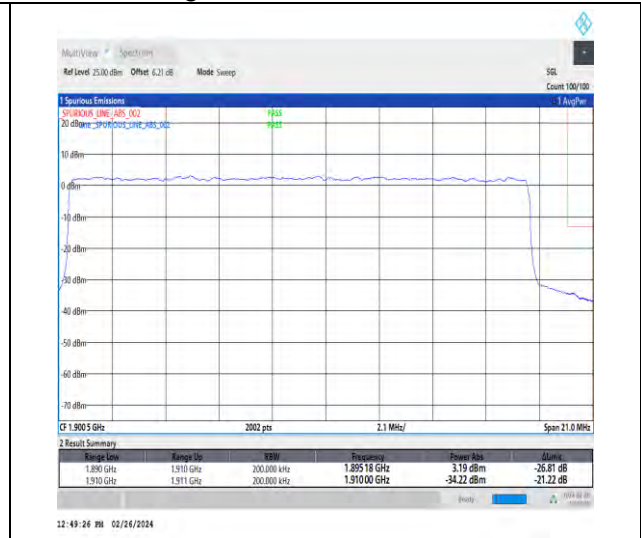
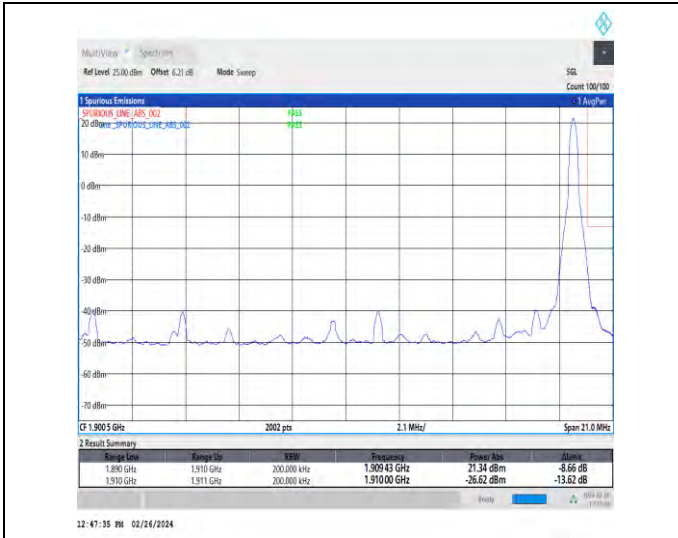
1-N2-15-20-L-6-CP-QPSK-Outer_Full-106@0-Ant
4-1-seegraph-PASS-see graph



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

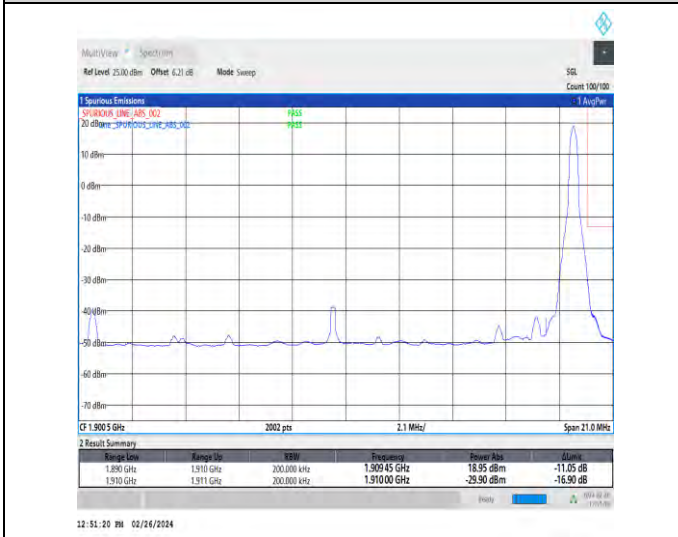
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



1-N2-15-20-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@105-Ant4-1-seegraph-PASS-see graph

1-N2-15-20-H-3-DFT-PI2BPSK-Outer_Full-100@0-Ant4-1-seegraph-PASS-see graph



1-N2-15-20-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant4-1-seegraph-PASS-see graph

1-N2-15-20-H-6-CP-QPSK-Outer_Full-106@0-Ant4-1-seegraph-PASS-see graph



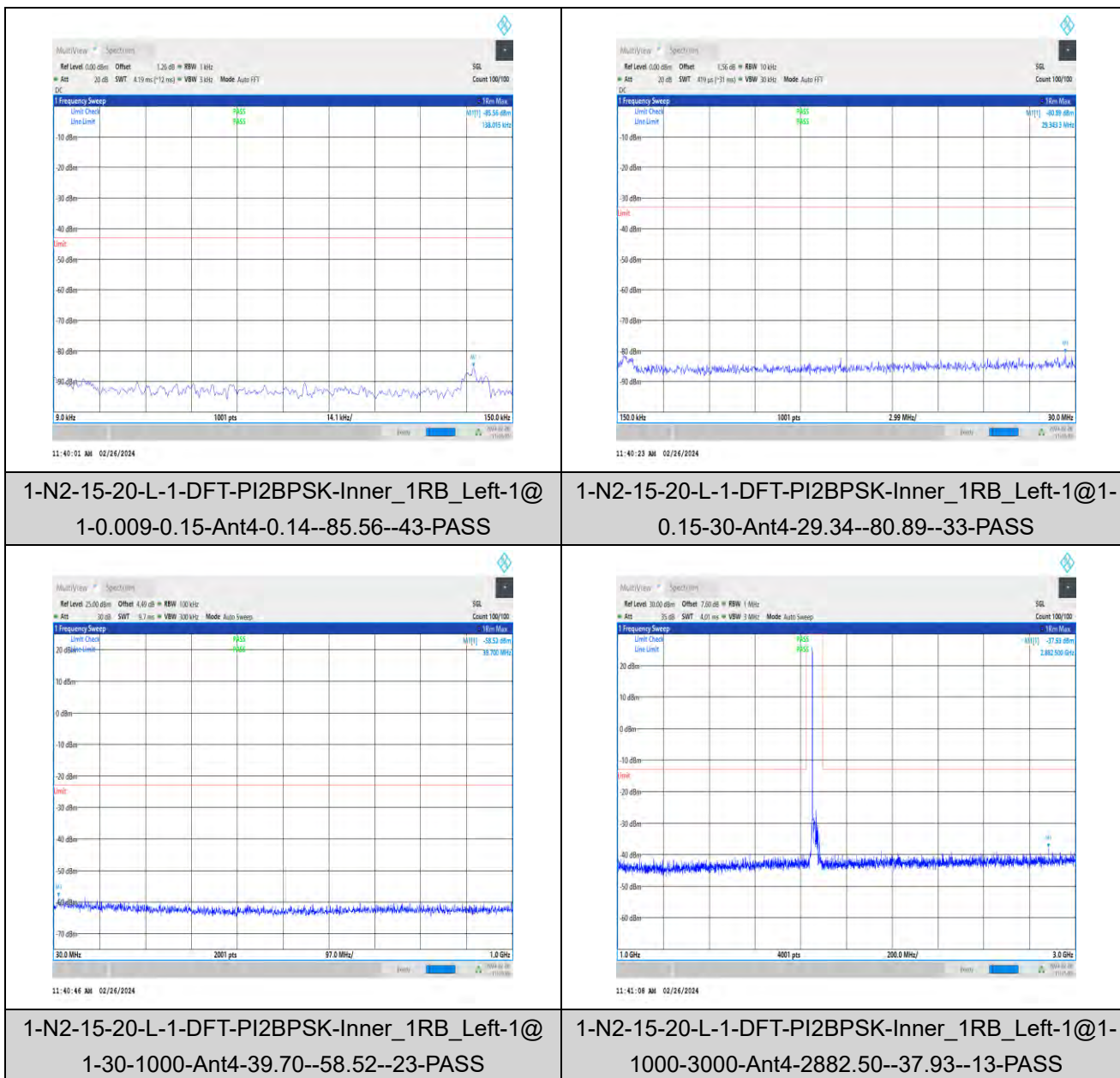
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgsgroup.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

Conducted Spurious Emission for SA

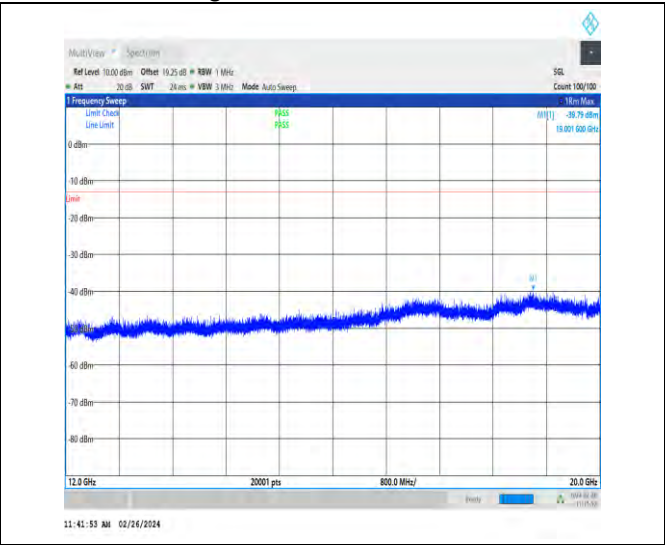
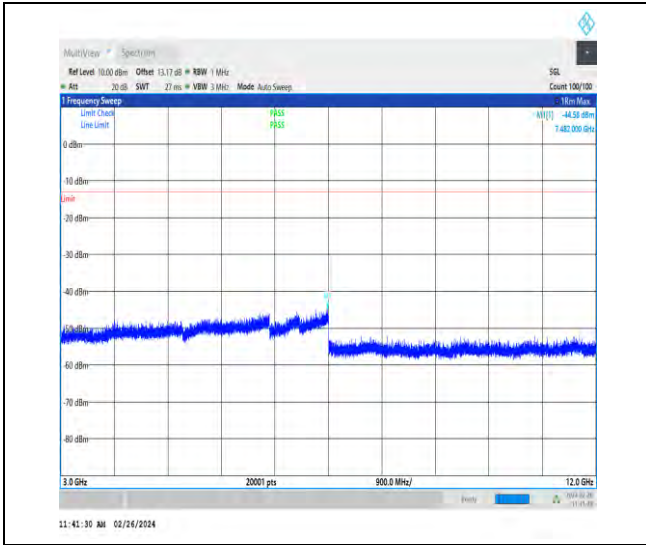
Test Graphs



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

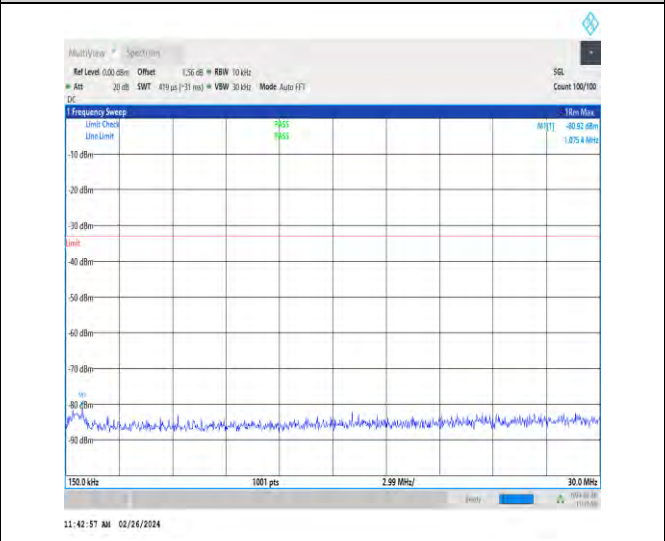
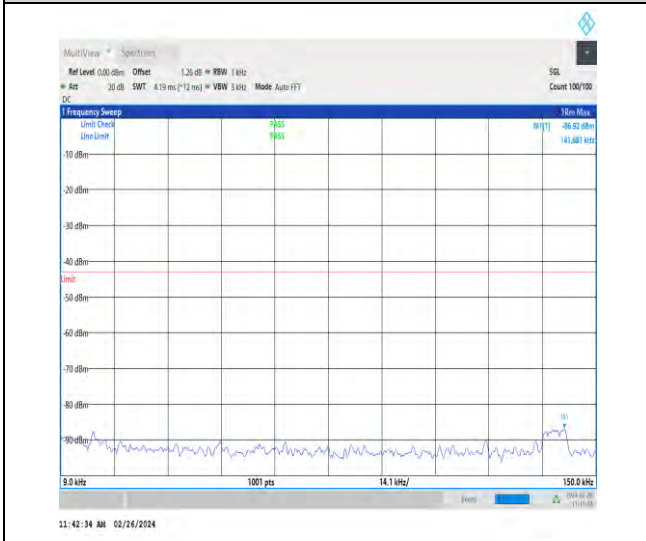
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



1-N2-15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-3000-12000-Ant4-7482.00--44.58--13-PASS

1-N2-15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-
12000-20000-Ant4-19001.60--39.79--13-PASS



1-N2-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-0.009-0.15-Ant4-0.14--86.92--43-PASS

1-N2-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-
0.15-30-Ant4-1.08--80.92--33-PASS

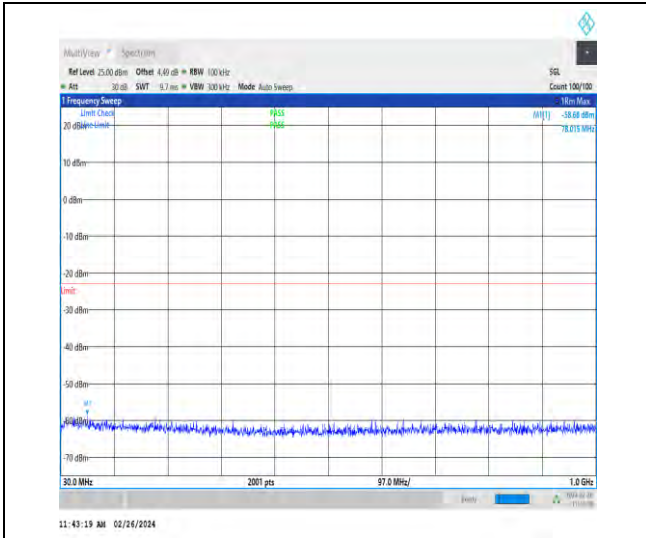


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

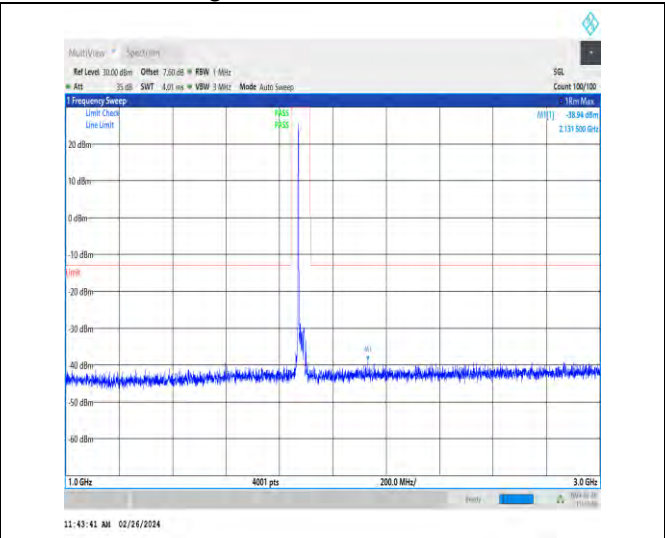
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

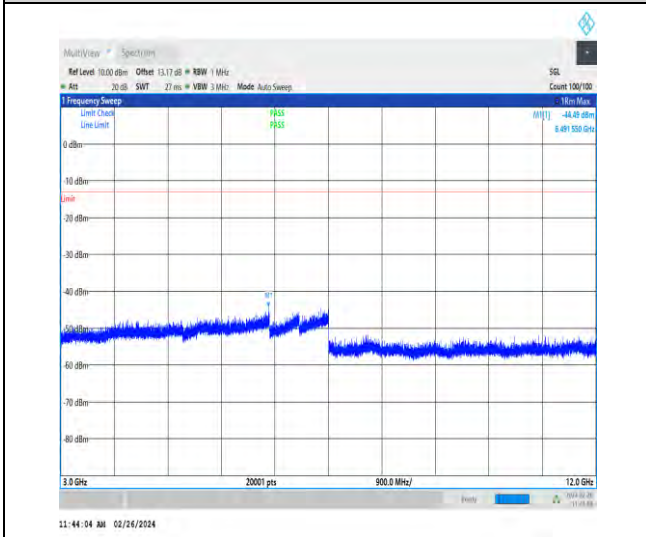
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com



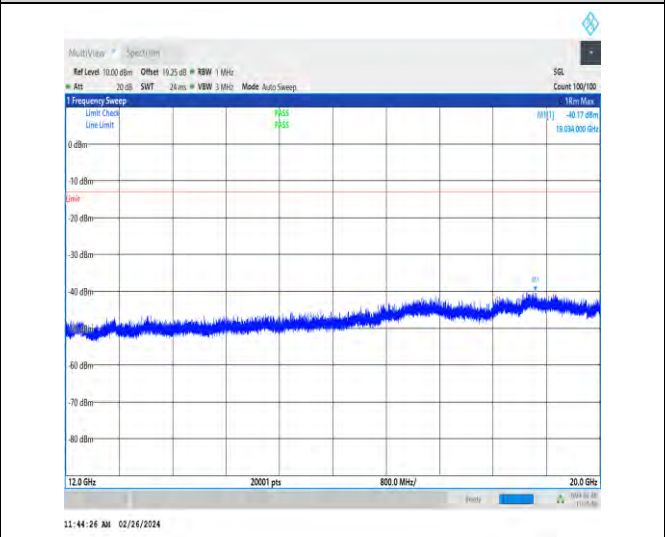
1-N2-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-30-1000-Ant4-78.02--58.68--23-PASS



1-N2-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@
-1000-3000-Ant4-2131.50--38.94--13-PASS



1-N2-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-3000-12000-Ant4-6491.55--44.49--13-PASS



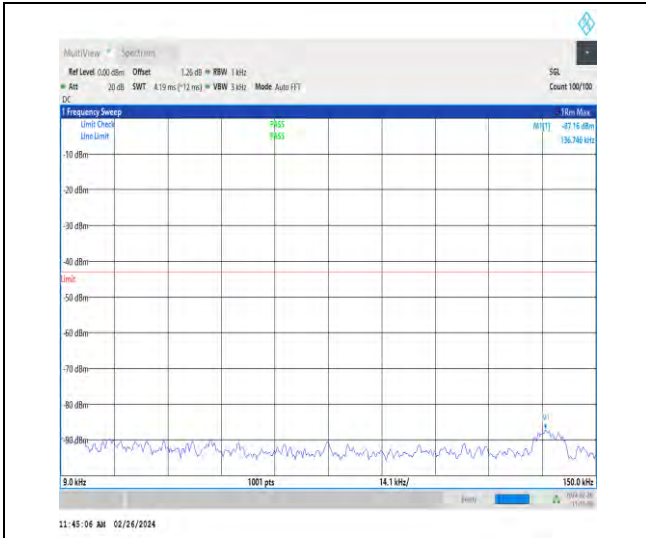
1-N2-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@
-12000-20000-Ant4-19034.00--40.17--13-PASS



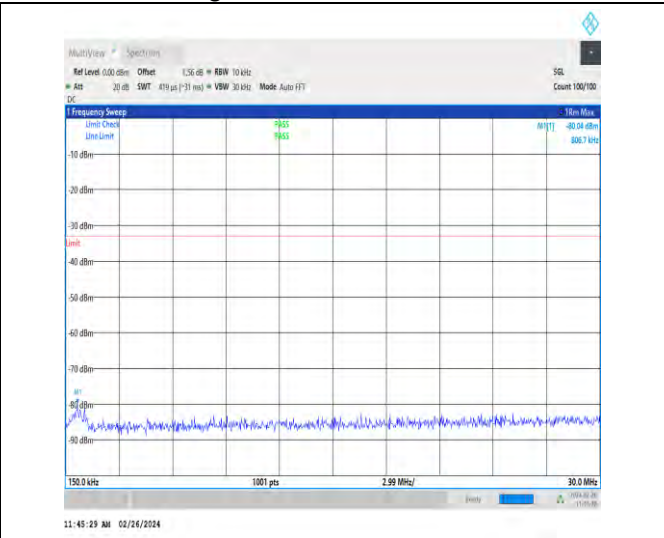
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

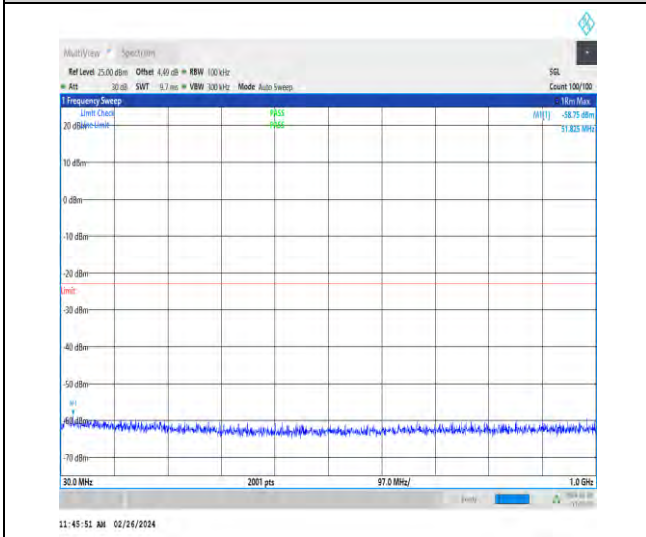
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



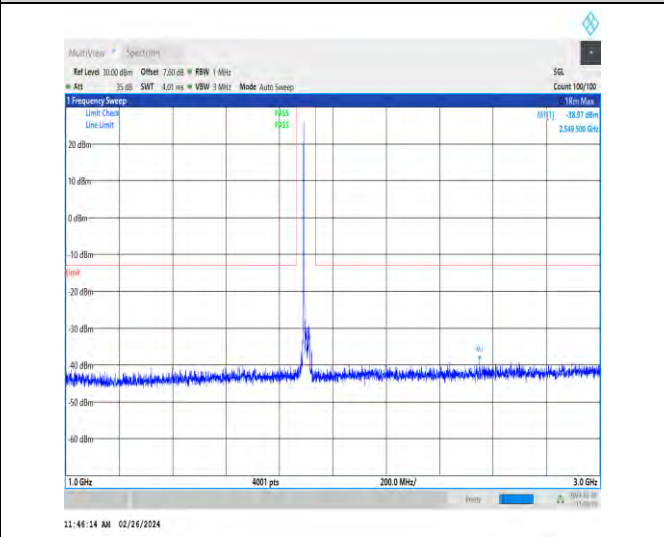
1-N2-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-0.009-0.15-Ant4-0.14--87.16--43-PASS



1-N2-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@
-0.15-30-Ant4-0.81--80.04--33-PASS



1-N2-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-30-1000-Ant4-51.83--58.75--23-PASS



1-N2-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@
-1000-3000-Ant4-2549.50--38.97--13-PASS



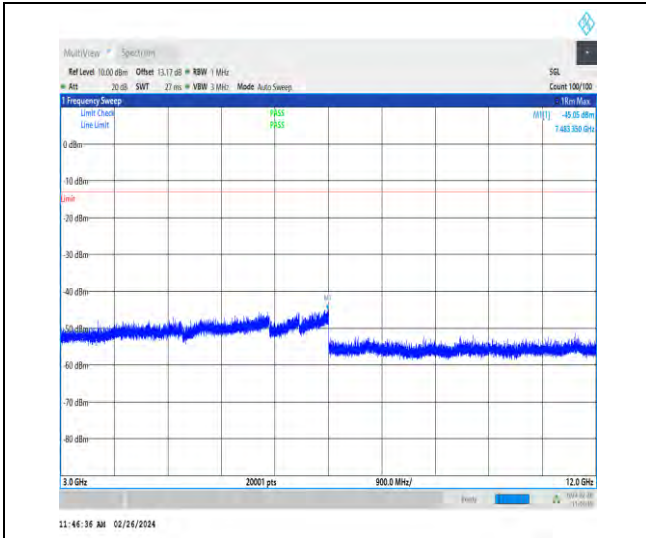
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

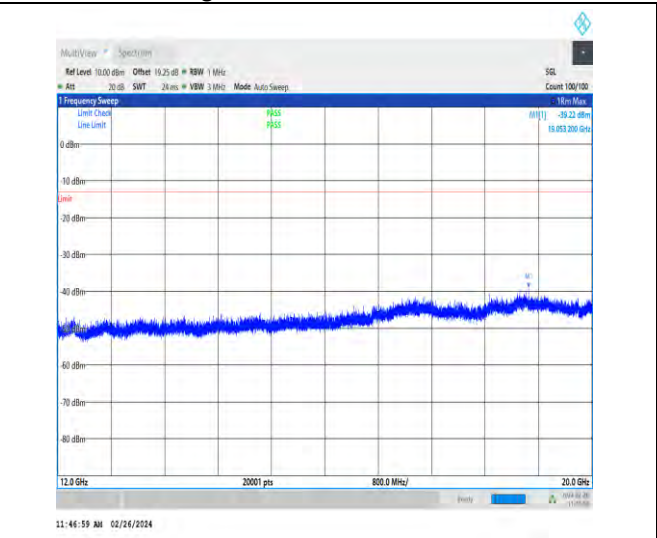
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)



1-N2-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-3000-12000-Ant4-7483.35--45.05--13-PASS



1-N2-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@
-12000-20000-Ant4-19053.20--39.22--13-PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN_Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



Report No.: SUCR240200003403

Rev.: 01

Page: 31 of 38

Field Strength of Spurious Radiation

Test Band = SA_N2

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3701.2851	55.35	-50.01	30.31	-59.61	-13.00	46.61	Horizontal
2	5551.6276	73.97	-45.47	33.21	-33.55	-13.00	20.55	Horizontal
3	6960.198	51.37	-44.41	36.42	-51.88	-13.00	38.88	Horizontal
4	9523.0762	50.17	-41.56	39.15	-47.50	-13.00	34.50	Horizontal
5	11920.946	47.72	-38.04	39.48	-46.10	-13.00	33.10	Horizontal
6	14998.3499	48.36	-38.79	39.91	-45.78	-13.00	32.78	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3759.038	53.30	-49.40	30.50	-60.86	-13.00	47.86	Vertical
2	5551.6276	70.18	-45.47	33.21	-37.34	-13.00	24.34	Vertical
3	7123.7062	49.88	-43.93	36.99	-52.32	-13.00	39.32	Vertical
4	9463.8232	49.84	-41.39	39.06	-47.75	-13.00	34.75	Vertical
5	11898.4449	47.37	-37.74	39.51	-46.12	-13.00	33.12	Vertical
6	17939.997	48.90	-42.98	42.44	-46.90	-13.00	33.90	Vertical



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgsgroup.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Test Band = SA_N2
 Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3741.0371	56.91	-49.48	30.46	-57.37	-13.00	44.37	Horizontal
2	5611.6306	69.90	-45.54	33.38	-37.52	-13.00	24.52	Horizontal
3	7120.706	50.25	-43.91	36.98	-51.94	-13.00	38.94	Horizontal
4	9352.8176	54.01	-41.59	38.51	-44.33	-13.00	31.33	Horizontal
5	12287.7144	47.29	-37.88	39.68	-46.17	-13.00	33.17	Horizontal
6	17982.7491	49.71	-43.77	42.70	-46.62	-13.00	33.62	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3741.0371	53.61	-49.48	30.46	-60.67	-13.00	47.67	Vertical
2	5611.6306	73.22	-45.54	33.38	-34.20	-13.00	21.20	Vertical
3	7457.4729	50.32	-43.48	36.69	-51.73	-13.00	38.73	Vertical
4	9352.8176	52.41	-41.59	38.51	-45.93	-13.00	32.93	Vertical
5	11923.9462	47.61	-38.08	39.48	-46.25	-13.00	33.25	Vertical
6	17983.4992	49.79	-43.79	42.70	-46.56	-13.00	33.56	Vertical



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgsgroup.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

Test Band = SA_N2

Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3781.5391	60.30	-49.49	30.50	-53.95	-13.00	40.95	Horizontal
2	5672.3836	75.87	-45.00	33.39	-31.00	-13.00	18.00	Horizontal
3	7476.2238	50.43	-43.35	36.65	-51.53	-13.00	38.53	Horizontal
4	9452.5726	62.06	-41.35	39.01	-35.54	-13.00	22.54	Horizontal
5	11899.195	47.39	-37.73	39.50	-46.10	-13.00	33.10	Horizontal
6	17986.4993	49.60	-43.86	42.72	-46.80	-13.00	33.80	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3780.789	54.49	-49.48	30.50	-59.75	-13.00	46.75	Vertical
2	5671.6336	74.09	-45.01	33.39	-32.79	-13.00	19.79	Vertical
3	7519.726	50.44	-43.52	36.68	-51.66	-13.00	38.66	Vertical
4	9452.5726	65.32	-41.35	39.01	-32.28	-13.00	19.28	Vertical
5	12308.7154	47.39	-37.93	39.69	-46.11	-13.00	33.11	Vertical
6	15024.6012	48.49	-38.95	39.88	-45.84	-13.00	32.84	Vertical



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgsgroup.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

Test Band = NSA_B13+N2

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2340.1675	66.32	-18.52	27.84	-19.62	-13.00	6.62	Horizontal
2	3898.5449	73.65	-49.05	30.59	-40.07	-13.00	27.07	Horizontal
3	5458.6229	72.82	-45.53	33.35	-34.62	-13.00	21.62	Horizontal
4	5550.8775	67.67	-45.46	33.20	-39.85	-13.00	26.85	Horizontal
5	7018.7009	60.36	-44.53	36.43	-43.00	-13.00	30.00	Horizontal
6	9253.0627	53.19	-41.22	39.08	-44.21	-13.00	31.21	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2339.4174	66.75	-18.51	27.84	-19.18	-13.00	6.18	Vertical
2	3898.5449	73.01	-49.05	30.59	-40.71	-13.00	27.71	Vertical
3	5458.6229	73.56	-45.53	33.35	-33.88	-13.00	20.88	Vertical
4	5551.6276	73.29	-45.47	33.21	-34.23	-13.00	21.23	Vertical
5	7018.7009	55.80	-44.53	36.43	-47.56	-13.00	34.56	Vertical
6	9253.0627	51.63	-41.22	39.08	-45.77	-13.00	32.77	Vertical



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



Test Band = NSA_B13+N2

Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2339.4174	68.65	-18.51	27.84	-17.28	-13.00	4.28	Horizontal
2	3741.0371	56.56	-49.48	30.46	-57.72	-13.00	44.72	Horizontal
3	3899.295	76.99	-49.04	30.60	-36.71	-13.00	23.71	Horizontal
4	5458.6229	75.06	-45.53	33.35	-32.38	-13.00	19.38	Horizontal
5	5612.3806	64.07	-45.53	33.38	-43.34	-13.00	30.34	Horizontal
6	7017.9509	59.95	-44.52	36.43	-43.40	-13.00	30.40	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2339.6675	61.35	-18.52	27.84	-24.59	-13.00	11.59	Vertical
2	3899.295	73.39	-49.04	30.60	-40.31	-13.00	27.31	Vertical
3	5459.373	70.22	-45.53	33.34	-37.23	-13.00	24.23	Vertical
4	5611.6306	69.55	-45.54	33.38	-37.87	-13.00	24.87	Vertical
5	7018.7009	56.42	-44.53	36.43	-46.94	-13.00	33.94	Vertical
6	9474.3237	49.49	-41.42	39.10	-48.09	-13.00	35.09	Vertical



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Test Band = NSA_B13+N2

Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2339.4174	67.37	-18.51	27.84	-18.56	-13.00	5.56	Horizontal
2	3780.789	59.52	-49.48	30.50	-54.72	-13.00	41.72	Horizontal
3	3898.5449	70.83	-49.05	30.59	-42.89	-13.00	29.89	Horizontal
4	5458.6229	69.57	-45.53	33.35	-37.87	-13.00	24.87	Horizontal
5	5671.6336	82.19	-45.01	33.39	-24.69	-13.00	11.69	Horizontal
6	9452.5726	58.96	-41.35	39.01	-38.64	-13.00	25.64	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2338.9174	64.84	-18.50	27.83	-21.09	-13.00	8.09	Vertical
2	3898.5449	76.02	-49.05	30.59	-37.70	-13.00	24.70	Vertical
3	5458.6229	64.69	-45.53	33.35	-42.75	-13.00	29.75	Vertical
4	5671.6336	84.62	-45.01	33.39	-22.26	-13.00	9.26	Vertical
5	7018.7009	56.87	-44.53	36.43	-46.49	-13.00	33.49	Vertical
6	9452.5726	61.10	-41.35	39.01	-36.50	-13.00	23.50	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Pre-amplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN.Doccheck@sgs.com
 South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N2	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	-5.100000	-0.002713	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	-5.700000	-0.003032	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	-4.600000	-0.002447	PASS
N2	15	20	CP-QPSK	M	Outer_Full	VH	NT	0.100000	0.000053	PASS
N2	15	20	CP-QPSK	M	Outer_Full	VN	NT	-2.200000	-0.001170	PASS
N2	15	20	CP-QPSK	M	Outer_Full	VL	NT	-0.900000	-0.000479	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN_Doccheck@sgs.com

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Wireless Laboratory

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Frequency Error VS. Temperature

Temperature

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	-1.100000	-0.000585	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	-1.800000	-0.000957	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	-3.200000	-0.001702	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	-0.700000	-0.000372	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	-2.300000	-0.001223	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	-1.200000	-0.000638	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	-2.800000	-0.001489	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	-0.600000	-0.000319	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	-1.700000	-0.000904	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	-30	-0.500000	-0.000266	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	-20	-1.200000	-0.000638	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	-10	-0.800000	-0.000426	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	0	-1.500000	-0.000798	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	10	-1.700000	-0.000904	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	20	0.300000	0.000160	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	30	-1.100000	-0.000585	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	40	-0.600000	-0.000319	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	50	-0.300000	-0.000160	PASS

---End of Attachment---



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Wireless Laboratory

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)